

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5981190".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 09:44
L2	893	(karyotype or karyotyping and aneuploidy) and eukaryot\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L3	587	L2 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L4	28	L3 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L5	25	L4 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L6	0	L5 and ((200kb or ("200" adj kb)) adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L7	0	L5 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L8	0	L4 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L9	85	L3 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18

EAST Search History

L10	0	L9 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L11	85	L9 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L12	1832	(karyotype or karyotyping or aneuploidy) and eukaryot\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19
L13	1272	L12 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L14	117	L13 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L15	113	L14 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L16	0	L15 and ((200kb or ("200" adj kb)) adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L17	0	L15 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19
L18	0	L14 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L19	125	L13 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19

EAST Search History

L20	266	(method same (karyotype or karyotyping)) and eukaryot\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:43
L21	147	L20 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L22	4	L21 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:44
L23	11	L20 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:24
L24	0	L22 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L25	2	L23 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L26	75	(method same (karyotype or karyotyping)same (genome or genomic)) and eukaryot\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49
L27	8	L26 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:45
L28	1	L26 and ((count or enumerate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:45
L29	1	L26 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49

EAST Search History

L30	0	L29 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:57
L31	765	(method same (karyotype or karyotyping))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49
L32	30	L31 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:06
L33	4	L32 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49
L34	114	L31 and ((sequence adj tag) or (nucleotide adj tag) or GST or (genomic adj sequence adj tag))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L35	25	L34 and ((restriction adj endonuclease adj recognition adj site) or (restriction adj endonuclease adj recognition) or (restriction adj enzyme adj recognition adj site) or (restriction adj enzyme adj site))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:04
L36	1	L35 and (((test adj cell) or (test adj genome)) and ((reference adj cell) or (reference adj cell)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L39	0	L34 and (((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))) adj (window or span))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:09
L40	55	L31 and (((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:01

EAST Search History

L41	13	L40 and (((test adj cell) or (test adj genome)) and ((reference adj cell) or (reference adj cell)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L42	12	L41 and (((sequence adj tag) or (nucleotide adj tag) or GST or (genomic adj sequence adj tag)) or ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:04
L44	101	L31 and ((restriction adj endonuclease adj recognition adj site) or (restriction adj endonuclease adj recognition) or (restriction adj enzyme adj recognition adj site) or (restriction adj enzyme adj site) or SacI or NlaIII or BcgI or MmeI)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:06
L45	1	L44 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:12
L46	0	L44 and (((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))) adj (window or span))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:10
L47	3	L44 and (((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:10
L48	77	L44 and ((hereditary adj (disorder or disease)) or (infectious adj disease) or cancer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:11
L49	0	L48 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:12

Dialog 10/705,874
LLM 5/1/2006

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS? ### Status: Signing onto Dialog *****

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Last logoff: 26apr06 13:52:54

Logon file405 01may06 10:17:16

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***Regulatory Affairs Journals (File 183)

***Index Chemicus (File 302)

***Inspec (File 202)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***File 516, D&B--Dun's Market Identifiers

***File 523, D&B European Dun's Market Identifiers

***File 531, American Business Directory

*** MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)

*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)

is now available online.

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

>>>For the latest news about Dialog products, services, content<<<
>>>and events, please visit What's New from Dialog at <<<
>>><http://www.dialog.com/whatsnew/>. You can find news about<<<
>>>a specific database by entering HELP NEWS <file number>.<<<

* * *

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
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Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

>>> 44 is unauthorized

>>> 76 is unauthorized

>>>2 of the specified files are not available

01may06 10:17:23 User276741 Session D133.1

\$0.00 0.214 DialUnits FileHomeBase

\$0.00 Estimated cost FileHomeBase

\$0.02 TELNET

\$0.02 Estimated cost this search

\$0.02 Estimated total session cost 0.214 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2006/Apr W4

(c) 2006 BIOSIS

File 24:CSA Life Sciences Abstracts 1966-2006/Mar

(c) 2006 CSA.

File 28:Oceanic Abstracts 1966-2006/Mar

(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Apr W3

(c) 2006 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2006/Apr.

(c) 2006 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2006/Mar

File 41:Pollution Abstracts 1966-2006/Mar

(c) 2006 CSA.

File 50:CAB Abstracts 1972-2006/Mar

(c) 2006 CAB International

File 65:Inside Conferences 1993-2006/Apr 28

(c) 2006 BLDSC all rts. reserv.

File 71:ELSEVIER BIOBASE 1994-2006/Apr W5

(c) 2006 Elsevier Science B.V.
File 73:EMBASE 1974-2006/May 01
(c) 2006 Elsevier Science B.V.
File 91:MANTIS(TM) 1880-2006/Feb
2006 (c) Action Potential
File 94:JICST-EPlus 1985-2006/Feb W1
(c)2006 Japan Science and Tech Corp(JST)
File 98:General Sci Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 110:WasteInfo 1974-2002/Jul
(c) 2002 AEA Techn Env.
***File 110: This file is closed (no updates)**
File 135:NewsRx Weekly Reports 1995-2006/Apr W4
(c) 2006 NewsRx
File 136:BioEngineering Abstracts 1966-2006/Mar
(c) 2006 CSA.
File 143:Biol. & Agric. Index 1983-2006/Mar
(c) 2006 The HW Wilson Co
File 144:Pascal 1973-2006/Apr W2
(c) 2006 INIST/CNRS
File 155:MEDLINE(R) 1951-2006/May 03
(c) format only 2006 Dialog
File 164:Allied & Complementary Medicine 1984-2006/Apr
(c) 2006 BLHCIS
File 172:EMBASE Alert 2006/May 01
(c) 2006 Elsevier Science B.V.
File 185:Zoological Record Online(R) 1978-2006/May
(c) 2006 BIOSIS
File 357:Derwent Biotech Res. 1982-2006/Apr W4
(c) 2006 Thomson Derwent & ISI
File 369:New Scientist 1994-2006/Sep W1
(c) 2006 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current information.**
File 391:Beilstein Reactions 2006/Q1
(c) 2005 Beilstein GmbH
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.
***File 467: F467 will close on February 1, 2006.**

7.

Set	Items	Description
?	s	(method (s) (karyotype or karyotyping))
	8990351	METHOD
	131204	KARYOTYPE
	56255	KARYOTYPING
S1	5934	(METHOD (S) (KARYOTYPE OR KARYOTYPING))
?	s s1 and	((test and (reference or control)) (w) cell)
Processing		
Processed	10 of	29 files ...
Processing		
Processed	20 of	29 files ...
Completed processing all files		
	5934	S1
	4851845	TEST
	1161336	REFERENCE
	9587432	CONTROL


```
13879396 CELL
2000 (TEST AND (REFERENCE OR CONTROL)) (W)CELL
S2      3 S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
? rd
```

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

```
S3      3 RD (unique items)
? s s3 and ((genomic or tag or nucleotide or (nucleic (w) acid)) (w) sequence)
Processing
Processed 10 of 29 files ...
Processing
Completed processing all files
3 S3
579895 GENOMIC
90667 TAG
1331728 NUCLEOTIDE
661864 NUCLEIC
11986172 ACID
541592 NUCLEIC(W)ACID
3492911 SEQUENCE
655734 (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
NUCLEIC(W)ACID) (W)SEQUENCE
S4      1 S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W)
ACID)) (W) SEQUENCE)
? t s4/free
```

4/8/1 (Item 1 from file: 357)

0343662 DBR Accession No.: 2004-15954

Digital karyotyping a genome of a test eukaryotic cell comprises isolating and enumerating short sequence tags from specific genomic loci and comparing the sequence tags to a genome of a reference cell - using bioinformatics for human cancer cell karyotyping for use in disease diagnosis, therapy and genomics 2004

```
? s s1 and ((genomic or tag or nucleotide or (nucleic (w) acid)) (w) sequence)
Processing
Processed 20 of 29 files ...
Completed processing all files
5934 S1
579895 GENOMIC
90667 TAG
1331728 NUCLEOTIDE
661864 NUCLEIC
11986172 ACID
541592 NUCLEIC(W)ACID
3492911 SEQUENCE
655734 (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
NUCLEIC(W)ACID) (W)SEQUENCE
S5      74 S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W)
ACID)) (W) SEQUENCE)
? s s5 and (((200kb or ("200" (w) kb)) or (40kb or ("40" (w) kb)) or (600kb
or ("600" (w) kb)) or (4Mb or ("4" (w) Mb))) ) )
Processing
Processed 10 of 29 files ...
Processing
Processed 20 of 29 files ...
Completed processing all files
74 S5
102 200KB
1099242 200
```

```

343680 KB
3102 200 (W) KB
108 40KB
2802791 40
343680 KB
3626 40 (W) KB
31 600KB
339800 600
343680 KB
1094 600 (W) KB
424 4MB
20170163 4
107987 MB
2767 4 (W) MB
S6 1 S5 AND (((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W)
KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W)
MB))) ) )

```

? t s6/free

6/8/1 (Item 1 from file: 357)

0343662 DBR Accession No.: 2004-15954

Digital karyotyping a genome of a test eukaryotic cell comprises isolating and enumerating short sequence tags from specific genomic loci and comparing the sequence tags to a genome of a reference cell - using bioinformatics for human cancer cell karyotyping for use in disease diagnosis, therapy and genomics 2004

```

? s s1 and ((count or enumerate or tabulate) (w) (tags or pieces or probes))
5934 S1
587149 COUNT
8331 ENUMERATE
1973 TABULATE
49899 TAGS
103655 PIECES
455040 PROBES
7 ((COUNT OR ENUMERATE) OR TABULATE) (W) ((TAGS OR PIECES) OR
PROBES)
S7 0 S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR
PIECES OR PROBES))

```

```

? s s1 and (((sequence (w) tag) or (nucleotide (w) tag) or GST or (genomic (w)
sequence (w) tag)) or ((genomic or tag or nucleotide or (nucleic (w) acid))
(w) sequence))

```

Processing

Processed 10 of 29 files ...

Completed processing all files

```

5934 S1
3492911 SEQUENCE
90667 TAG
18540 SEQUENCE (W) TAG
1331728 NUCLEOTIDE
90667 TAG
53 NUCLEOTIDE (W) TAG
61336 GST
579895 GENOMIC
3492911 SEQUENCE
90667 TAG
5 GENOMIC (W) SEQUENCE (W) TAG
579895 GENOMIC
90667 TAG
1331728 NUCLEOTIDE
661864 NUCLEIC
11986172 ACID

```

541592 NUCLEIC(W)ACID
 3492911 SEQUENCE
 655734 (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
 NUCLEIC(W)ACID) (W)SEQUENCE
 S8 75 S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST
 OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR
 NUCLEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
 ? s s8 and ((restriction (w) endonuclease (w) recognition (w) site) or
 (restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w)
 recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII
 or BcgI or MmeI)

Processing

Processed 10 of 29 files ...

Completed processing all files

75 S8
 690035 RESTRICTION
 120352 ENDONUCLEASE
 1081484 RECOGNITION
 3171822 SITE
 257 RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION(W)SITE
 690035 RESTRICTION
 120352 ENDONUCLEASE
 1081484 RECOGNITION
 664 RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION
 690035 RESTRICTION
 4217353 ENZYME
 1081484 RECOGNITION
 3171822 SITE
 246 RESTRICTION(W)ENZYME(W)RECOGNITION(W)SITE
 690035 RESTRICTION
 4217353 ENZYME
 3171822 SITE
 1462 RESTRICTION(W)ENZYME(W)SITE
 3342 SACI
 582 NLAIII
 133 BCGI
 65 MMEI
 S9 2 S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W)
 SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION)
 OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR
 (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR
 BCGI OR MMEI)

? ds

Set	Items	Description
S1	5934	(METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2	3	S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3	3	RD (unique items)
S4	1	S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-)) (W) SEQUENCE)
S5	74	S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-)) (W) SEQUENCE)
S6	1	S5 AND (((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W) - KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB)))))
S7	0	S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIECES OR PROBES))
S8	75	S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST - OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUC- LEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9	2	S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) -

SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
ESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRIC-
TION (W) ENZYME (W) SITE) OR SACI OR NLAIIR OR BCGI OR MMEI)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S10 2 RD (unique items)

? t s10/medium/all

10/3/1 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

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0379012 DBR Accession No.: 2005-24718 PATENT

**Restriction enzyme tag concatemer nucleic acid library useful for
identifying pathogen and detecting expression of desired transcripts,
in biological sample, comprises several concatemers having Type IIB
restriction enzyme tags - restriction enzyme tag concatemer DNA library
for use in disease diagnosis and genome mapping**

AUTHOR: MEYERSON M L; TENGS T

PATENT ASSIGNEE: DANA FARBER CANCER INST 2005

PATENT NUMBER: WO 200579357 PATENT DATE: 20050901 WPI ACCESSION NO.:
2005-591909 (200560)

PRIORITY APPLIC. NO.: US 545047 APPLIC. DATE: 20040217

NATIONAL APPLIC. NO.: WO 2005US4571 APPLIC. DATE: 20050215

LANGUAGE: English

10/3/2 (Item 2 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

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0343662 DBR Accession No.: 2004-15954 PATENT

**Digital karyotyping a genome of a test eukaryotic cell comprises isolating
and enumerating short sequence tags from specific genomic loci and
comparing the sequence tags to a genome of a reference cell - using
bioinformatics for human cancer cell karyotyping for use in disease
diagnosis, therapy and genomics**

AUTHOR: WANG T; VELCULESCU V; KINZLER K; VOGELSTEIN B

PATENT ASSIGNEE: UNIV JOHNS HOPKINS 2004

PATENT NUMBER: US 20040096892 PATENT DATE: 20040520 WPI ACCESSION NO.:
2004-389156 (200436)

PRIORITY APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

NATIONAL APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

LANGUAGE: English

? s s8 and ((hereditary (w) (disorder or disease)) or (infectious (w) disease)
or cancer)

Processing

Processed 10 of 29 files ...

Processing

Completed processing all files

75 S8

247964 HEREDITARY

1979919 DISORDER

12746172 DISEASE

27057 HEREDITARY(W) (DISORDER OR DISEASE)

1157491 INFECTIOUS

12746172 DISEASE

```

299220 INFECTIOUS(W) DISEASE
4037448 CANCER
S11      19 S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR
              (INFECTIOUS (W) DISEASE) OR CANCER)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
S12      17 RD (unique items)
? s s12 and ((count or enumerate or tabulate) (w) (tags or pieces or probes))
      17 S12
      587149 COUNT
      8331 ENUMERATE
      1973 TABULATE
      49899 TAGS
      103655 PIECES
      455040 PROBES
      7 ((COUNT OR ENUMERATE) OR TABULATE) (W) ((TAGS OR PIECES) OR
      PROBES)
S13      0 S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR
      PIECES OR PROBES))
? ds

Set      Items      Description
S1        5934      (METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2         3        S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3         3        RD (unique items)
S4         1        S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
      )) (W) SEQUENCE)
S5        74        S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
      )) (W) SEQUENCE)
S6         1        S5 AND (((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W) -
      KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB))) )
S7         0        S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIECES
      OR PROBES))
S8        75        S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W) TAG) OR GST -
      OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUC-
      LEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9         2        S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) -
      SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
      ESTRUCTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRIC-
      TION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S10        2        RD (unique items)
S11        19       S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR (INFECTI-
      OUS (W) DISEASE) OR CANCER)
S12        17       RD (unique items)
S13         0       S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIEC-
      ES OR PROBES))
? s (dimers or ditags) and (eukaryot?? (s) genome)
      128715 DIMERS
      78 DITAGS
      593355 EUKARYOT??
      793687 GENOME
      25771 EUKARYOT??(S) GENOME
S14        154      (DIMERS OR DITAGS) AND (EUKARYOT?? (S) GENOME)
? s s14 and ((restriction (w) endonuclease (w) recognition (w) site) or
(restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w)
recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII
or BcgI or MmeI)

```

Processing

Processed 20 of 29 files ...

Completed processing all files

154 S14
690035 RESTRICTION
120352 ENDONUCLEASE
1081484 RECOGNITION
3171822 SITE
257 RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) SITE
690035 RESTRICTION
120352 ENDONUCLEASE
1081484 RECOGNITION
664 RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION
690035 RESTRICTION
4217353 ENZYME
1081484 RECOGNITION
3171822 SITE
246 RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE
690035 RESTRICTION
4217353 ENZYME
3171822 SITE
1462 RESTRICTION (W) ENZYME (W) SITE.
3342 SACI
582 NLAI III
133 BCGI
65 MMEI
S15 2 S14 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION
(W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W)
RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION
(W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR
NLAI III OR BCGI OR MMEI)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S16 2 RD (unique items)

? t s16/medium/all

16/3/1 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs

(c) 2005 The HW Wilson Co. All rts. reserv.

04050517 H.W. WILSON RECORD NUMBER: BGSA99050517 (USE FORMAT 7 FOR
FULLTEXT)

Giant viruses infecting algae.

AUGMENTED TITLE: review

Van Etten, James L

Meints, Russel H

Annual Review of Microbiology v. 53 (1999) p. 447-94

SPECIAL FEATURES: bibl il ISSN: 0066-4227

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORD COUNT: 22140

16/3/2 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

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0343662 DBR Accession No.: 2004-15954 PATENT

Digital karyotyping a genome of a test eukaryotic cell comprises isolating and enumerating short sequence tags from specific genomic loci and comparing the sequence tags to a genome of a reference cell - using bioinformatics for human cancer cell karyotyping for use in disease diagnosis, therapy and genomics

AUTHOR: WANG T; VELCULESCU V; KINZLER K; VOGELSTEIN B

PATENT ASSIGNEE: UNIV JOHNS HOPKINS 2004

PATENT NUMBER: US 20040096892 PATENT DATE: 20040520 WPI ACCESSION NO.: 2004-389156 (200436)

PRIORITY APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

NATIONAL APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

LANGUAGE: English

? s (concatamer and (dimers or ditags))

297 CONCATAMER

128715 DIMERS

78 DITAGS

S17 12 (CONCATAMER AND (DIMERS OR DITAGS))

? s s17 and ((restriction (w) endonuclease (w) recognition (w) site) or (restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w) recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII or BcgI or MmeI)

Processing

Processed 20 of 29 files ...

Completed processing all files

12 S17

690035 RESTRICTION

120352 ENDONUCLEASE

1081484 RECOGNITION

3171822 SITE

257 RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) SITE

690035 RESTRICTION

120352 ENDONUCLEASE

1081484 RECOGNITION

664 RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION

690035 RESTRICTION

4217353 ENZYME

1081484 RECOGNITION

3171822 SITE

246 RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE

690035 RESTRICTION

4217353 ENZYME

3171822 SITE

1462 RESTRICTION (W) ENZYME (W) SITE

3342 SACI

582 NLAI

133 BCGI

65 MMEI

S18 3 S17 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAI OR BCGI OR MMEI)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S19 3 RD (unique items)

? t s19/medium,k/all

19/K/1 (Item 1 from file: 357)

DIALOG(R) File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0367226 DBR Accession No.: 2005-12933 PATENT

New isolated oligonucleotides comprising at least one ditag, useful for gene identification signature analysis or for gene discovery or genome mapping - oligonucleotide isolation for use in gene mapping and gene discovery

AUTHOR: RUAN Y; NG P; WEI C

PATENT ASSIGNEE: AGENCY SCI TECHNOLOGY and RES 2005

PATENT NUMBER: US 20050059022 PATENT DATE: 20050317 WPI ACCESSION NO.:
2005-240897 (200525)

PRIORITY APPLIC. NO.: US 664234 APPLIC. DATE: 20030917

NATIONAL APPLIC. NO.: US 664234 APPLIC. DATE: 20030917

LANGUAGE: English

...ABSTRACT: It is selected from AarI, AceIII, AhoI, BaeI, Bbr7I, BbvI, BbvII, BccI, Bce83I, BceAI, BceFI, **BcgI**, BciVI, BfiI, BinI, BplI, **MmeI**, etc. The ditag size is 12-60 bp. The ditag comprises 34-38 nucleotides and the size of each tag is determined by the use of restriction enzyme **MmeI**. The first and second tags have the same or a different number of nucleotides. The oligonucleotide consists of 1-1000 **ditags**. Preferred Vector: The vector further comprises the above-mentioned 2 adapter sequences flanking the ditag...

... including at least one ditag flanked by the 2 adapters. The method further comprises creating **concatamer** of **ditags**. The **ditags** are 1-1000 **ditags**. The method further comprises including the oligonucleotide comprising the ditag flanked by the adapters in...

... at least one oligonucleotide cited above, where splicing includes cleaving the full-length cDNA with **MmeI** which forms 3' overhanging tag ends, and ligating the two 5' and 3' termini tags...

19/K/2 (Item 2 from file: 357)

DIALOG(R) File 357:Derwent Biotech Res.
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0344040 DBR Accession No.: 2004-16332 PATENT

Obtaining a nucleotide sequence tags from termini of nucleic acids, useful for novel gene discoveries, comprises linking a first nucleic acid sequence to a linker sequence and cleaving it with a nucleic acid cleavage enzyme - gene expression profiling technique

AUTHOR: RUAN Y; WEI C

PATENT ASSIGNEE: AGENCY SCI TECHNOLOGY and RES 2004

PATENT NUMBER: WO 200450918 PATENT DATE: 20040617 WPI ACCESSION NO.:
2004-450747 (200442)

PRIORITY APPLIC. NO.: GB 200228289 APPLIC. DATE: 20021204

NATIONAL APPLIC. NO.: WO 2003SG255 APPLIC. DATE: 20031204

LANGUAGE: English

...ABSTRACT: site or the second recognition site, or both, comprises a Type IIS restriction enzyme recognition **site**. The first restriction enzyme comprises **MmeI**, or in which the first recognition site comprises a...

19/K/3 (Item 3 from file: 357)

DIALOG(R) File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0343662 DBR Accession No.: 2004-15954 PATENT

Digital karyotyping a genome of a test eukaryotic cell comprises isolating and enumerating short sequence tags from specific genomic loci and comparing the sequence tags to a genome of a reference cell - using bioinformatics for human cancer cell karyotyping for use in disease diagnosis, therapy and genomics

AUTHOR: WANG T; VELCULESCU V; KINZLER K; VOGELSTEIN B

PATENT ASSIGNEE: UNIV JOHNS HOPKINS 2004

PATENT NUMBER: US 20040096892 PATENT DATE: 20040520 WPI ACCESSION NO.: 2004-389156 (200436)

PRIORITY APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

NATIONAL APPLIC. NO.: US 705874 APPLIC. DATE: 20031113

LANGUAGE: English

- ...ABSTRACT: the genome of the test eukaryotic cell, the portions being defined by 1 or 2 **restriction endonuclease recognition** sites; (b) enumerating the sequence tags in the population to determine the number of individual...
- ...of a genome of a eukaryotic cell, the portions being defined by 1 or 2 **restriction endonuclease recognition** sites, where each of the sequence tags consists of a fixed number of nucleotides of...
- ... of the genome, the fixed number of nucleotides extending from at least one of the **restriction endonuclease recognition** sites; and (2) a **concatamer of dimers** cited above. BIOTECHNOLOGY - Preferred Method: In karyotyping a genome of a test eukaryotic cell, the...
- ... endonuclease cleavage site at a second end of each portion. The first **restriction endonuclease** is **SacI** and the second **restriction endonuclease** is **NlaIII**. Recognition or cleavage by the first **restriction endonuclease** is sensitive to DNA methylation. The portions are defined by presence of a **BcgI restriction endonuclease recognition site** which is flanked by 12 nucleotides on either end. The method further comprises identifying aneuploidy...
- ... to cleave within the defined portions of the genome. The Type IIS **restriction endonuclease** is **MmeI**. The fixed number of nucleotides is 20-22. USE - The method is useful for determining...
- ... manufacturers' protocols. For each sample 1microg of genomic DNA was sequentially digested with mapping enzyme **SacI**, ligated to 20-40 ng of biotinylated linker (5'-biotin-TTTCAGAGGTTTCGTAATC- GAGTTGGGTGAGCT(S EQ ID NO...
- ... Coralville, Iowa) using T4 ligase (Invitrogen, Carlsbad, Calif.), and then digested with the fragmenting enzyme **NlaIII**. DNA fragments containing biotinylated linkers were isolated by binding to streptavidin coated magnetic beads (Dynal...
- ... steps were similar to those described for LongSAGE of cDNA (18). In brief, linkers containing **MmeI** recognition sites were ligated to captured DNA fragments, and tags were released with **MmeI** (University of Gdansk Center for Technology Transfer, Gdansk, Poland and New England Biolabs, Beverly, Mass.). The tags were ligated to form **ditags**, and the **ditags** were isolated and then ligated to form concatamers which were cloned into pZero (Invitrogen, Carlsbad, Calif.). Sequencing of **concatamer** clones was performed using the Big Dye Terminator v3.0 Kit (Applied Biosystems) and analyzed...

... tags were extracted using the SAGE2000 software package, which identifies the fragmenting enzyme site between **ditags**, extracts intervening tags, and records them in a database. Detailed protocols for performing Digital Karyotyping...

DESCRIPTORS: human colorectal cancer cell digital karyotyping, short sequence tag enumeration, restriction endonuclease **SacI**, **NlaIII**, DNA methylation, DNA copy number det., computer bioinformatic software, appl. genomics, cancer diagnosis, therapy...

? ds

Set	Items	Description
S1	5934	(METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2	3	S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3	3	RD (unique items)
S4	1	S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-)) (W) SEQUENCE)
S5	74	S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-)) (W) SEQUENCE)
S6	1	S5 AND (((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W) - KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB))))
S7	0	S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIECES OR PROBES))
S8	75	S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W) TAG) OR GST - OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9	2	S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) - SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S10	2	RD (unique items)
S11	19	S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR (INFECTIOUS (W) DISEASE) OR CANCER)
S12	17	RD (unique items)
S13	0	S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIECES OR PROBES))
S14	154	(DIMERS OR DITAGS) AND (EUKARYOT?? (S) GENOME)
S15	2	S14 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S16	2	RD (unique items)
S17	12	(CONCATAMER AND (DIMERS OR DITAGS))
S18	3	S17 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S19	3	RD (unique items)

? save temp

Temp SearchSave "TD231378228" stored

? logoff

01may06 10:36:34 User276741 Session D133.2

\$22.12 3.749 DialUnits File5

\$22.12 Estimated cost File5

\$5.16 0.832 DialUnits File24

\$5.16 Estimated cost File24

\$0.86 0.139 DialUnits File28

\$0.86 Estimated cost File28

\$50.70 2.160 DialUnits File34

\$50.70 Estimated cost File34

\$1.41 0.344 DialUnits File35

\$1.41 Estimated cost File35
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 \$0.74 Estimated cost File65
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 \$9.60 Estimated cost File71
 \$33.83 3.021 DialUnits File73
 \$33.83 Estimated cost File73
 \$0.49 0.113 DialUnits File91
 \$0.49 Estimated cost File91
 \$5.07 1.448 DialUnits File94
 \$5.07 Estimated cost File94
 \$1.11 0.261 DialUnits File98
 \$1.45 1 Type(s) in Format 3
 \$1.45 1 Types
 \$2.56 Estimated cost File98
 \$0.53 0.092 DialUnits File110
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 \$1.17 0.217 DialUnits File135
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 \$10.58 2.351 DialUnits File144
 \$10.58 Estimated cost File144
 \$10.36 3.046 DialUnits File155
 \$10.36 Estimated cost File155
 \$0.33 0.096 DialUnits File164
 \$0.33 Estimated cost File164
 \$1.36 0.121 DialUnits File172
 \$1.36 Estimated cost File172
 \$1.31 0.213 DialUnits File185
 \$1.31 Estimated cost File185
 \$19.63 0.880 DialUnits File357
 \$15.60 6 Type(s) in Format 3
 \$0.00 2 Type(s) in Format 6
 \$15.60 8 Types
 \$35.23 Estimated cost File357
 \$0.34 0.098 DialUnits File369
 \$0.34 Estimated cost File369
 \$0.43 0.121 DialUnits File370
 \$0.43 Estimated cost File370
 \$0.00 1.223 DialUnits File391
 \$0.00 Estimated cost File391
 \$9.49 0.404 DialUnits File434
 \$9.49 Estimated cost File434
 \$0.68 0.106 DialUnits File467
 \$0.68 Estimated cost File467
 OneSearch, 29 files, 23.716 DialUnits FileOS
 \$5.33 TELNET
 \$216.60 Estimated cost this search
 \$216.62 Estimated total session cost 23.930 DialUnits

Logoff: level 05.11.05 D 10:36:34